

High Voltage Racing



HVR 50.4 Technical Data

Drivetrain:

- Motor:** Liquid cooled brushless inrunner motor (6000rpm max.)
- Controller:** Sinusoidal brushless motor controller 200A 60V
- Battery:** 14S 6P Lithium-Ion battery 58Volt end of charge, 18Ah, 910Wh
Made of 84 18650 cells protected by an aluminium/PET composite housing with integrated cooling function.
- BMS:** Custom designed for the 50.4 full protection, integrated high power solidstate relais, 5 temperature sensors inside the battery, single cell voltage monitoring, hardware and software short circuit protection, etc.
- BT-Module:** HVR-Bluetooth module easy smartphone adjustment of power, speed, throttle response and recuperation. Also provides realtime drivetrain data and over the air diagnostics.

Chassis:

- Seat hight:** 660mm
- Wheelbase:** 920mm
- Front suspension:** 33mm upside down fork with 170mm stroke
- Rear suspension:** direct link nitrogen charged shock absorber, with adjustable preload and damping 220mm rear wheel travel.
- Primary drive:** 420 Chain with 10 teeth sprocket and 45 teeth on the rear wheel
- Frontbrake:** Hydraulic handbrake with 170mm brake disc
- Rearbrake:** Hydraulic footbrake with 170mm brake disc
- Front tyre:** 60/100-12
- Rear tyre:** 80/100-10
- Handlebar:** height 820mm
- Handlebar:** width 610mm
- Ground clearance:** 240mm
- Frame:** steel central tubeframe
- Weight:** 42kg